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AUGUST 25, 2003

WILLIAM A. LOGINOV 88 BLACK FALCON AVE. BOSTON, MA 02210

CESARI AND MCKENNA, LLP

CESARI & MCKENNA Deputy Under Secretary of Commerce For Intellectual Property and Deputy Director of the United States Patent and Trademark Office

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/26/2003

REEL/FRAME: 013894/0859 NUMBER OF PAGES: 7

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

KLEIMAN, STEVEN R.

DOC DATE: 08/06/2002

ASSIGNOR:

SUNDARAM, RAJESH

DOC DATE: 08/08/2002

ASSIGNOR:

DOUCETTE, DOUGLAS P.

DOC DATE: 03/25/2003

ASSIGNOR:

STRANGE, STEPHEN H.

DOC DATE: 08/07/2002

ASSIGNOR:

VISWANATHAN, SRINIVASAN

DOC DATE: 03/12/2003

ASSIGNEE:

NETWORK APPLIANCE, INC. 495 EAST JAVA DRIVE SUNNYVALE, CALIFORNIA 94089

013894/0859 PAGE 2

SERIAL NUMBER: 10105034

PATENT NUMBER:

FILING DATE: 03/21/2002

ISSUE DATE:

ANTIONE ROYALL, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

RECORI	04-01-2003
	21
To the Honorable commissioner of Patents ar.	
Please record the attached original docume	102405556
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Steven R. Kleiman Rajesh Sundaram 3.26-03	
	Name: Network Appliance, Inc.
Douglas P. Doucette	
Stephen H. Strange	
Srinivasan Viswanathan	Street Address: 495 East Java Drive City: Sunnyvale, State: CA Zip: 94089 State: CA Zip: 94089
Additional name(s) of conveying	City: Sunnyvale,
party(ies) attached? Yes X No	
	CE 26
3. Nature of conveyance:	State: CA Zip: 94089
X Assignment	[C ≠ 2
Merger	1 2 60
Security Agreement	9
Change of Name	3 56
Other	Additional name(s) & address(es)
	Attached?Yes X No
Execution Date: 08/06/2002; 08/08/2002; 03/25/2003;	
08/07/2002 and 03/12/2003 respectively	
4. Application number(s) or patent number(s): 1	
If this document is being filed together with a new a	pplication, the execution
date of the application is:	
A. Patent Application No.(s): 10/105,034	B. Patent No. (s)
	• •
Additional numbers attached	
5. Name and address of party to whom	6. Total number of applications and
correspondence concerning document should be	patents involved:1
mailed:	
	7. Total fee (37 CFR 3.41) \$40.00
Name: William A. Loginov	X Enclosed
	Andharina I da ha aharra I da Iarra 'a
Street Address: Cesari and McKenna, LLP	Authorized to be charged to deposit
88 Black Falgon Avenue	Account
	8. Deposit account no. 03-1237 (Attach duplicate
City: Boston State: MA Zip: 02210	copy of this page if paying by deposit account)
3/28/2003 DBYRNE 00000041 10105034 DO NOT US	SE THIS SPACE
1 FC:8021 40.00 OP	
9. Statement and signature.	
To the best of my knowledge and belief, he foregoing informati	ion is true and correct and any attached copy is a true
copy of the original document.	^ ,
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William A. Loginov, Reg. No. 34,863	March 26, 2003
Name of Person Signing Signature	
	Total number of pages comprising cover sheet: 1

<u>ASSIGNMENT</u>

WHEREAS, We, Steven R. Kleiman, Rajesh Sundaram, Douglas P. Doucette, Stephen H. Strange, and Srinivasan Viswanathan, have invented one or more improvements in:

A Method for Writing Contiguous Arrays of Stripes in a RAID Storage System described in an application (or provisional application) for Letters Patent of the United States: identified by Attorney Docket No. NWK-002, and/or executed by us of even date herewith and about to be filed in the United States Patent Office; Serial No. 10/105,034 filed in the United States Patent Office on March 21, 2002; and WHEREAS, Network Appliance, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of CALIFORNIA, and having a usual place of business at 495 East Java Drive, Sunnyvale, California 94089, desires to acquire an interest therein, in accordance with

agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention. including but not limited to continuations, divisionals, reissues, and reexaminations of said application or such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and

Joint Assignment Page 2

we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

11001011122, 113 3400033013,	assigns, and legal	representatives.	•	
IN TESTIMONY M	VHEREOF, we ha	ave hereunto set o	ur hands and affixed our seals the da	ite se
		Inventor:	Steven R. Kleiman	_
State of California County of)) ss			
Subscribed and swo of AUGUST,	rn to before me, b	y the above-name	d Steven R. Kleiman, this 6	day
		Notary Public My Commissio	on Expires:	
,		Inventor:	Rajesh Sundaram	
State of California County of)) ss			
Subscribed and swor		the above-named	l Rajesh Sundaram, this	_day
		Notary Public My Commissio	n Expires:	

Date: 3/25/200	0f ⁰ 0 3	Inventor:	Douglas P. Doucette	
State of Washington County of)) ss			
Subscribed and sworn to of, 2002.	before me, b	y the above-name	ed Douglas P. Doucette, this	day
		Notary Public My Commission	on Expires:	,
		Inventor:	Stephen H. Strange	
State of California County of)) ss	·		
Subscribed and sworn to l of, 20		the above-named	d Stephen H. Strange, this	day
	·	Notary Public My Commission	n Expires:	
Date: 03/19/2003	_ / 2_	Inventor:	Srinivasan Viswanathan	
State of California County of)) ss			
Subscribed and sworn to b Zama day of		the above-named	Srinivasan Viswanathan tho-	
2321034_1		Notary Public My Commission	Expires: 12/9/099	ζυ, <u> </u>

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	•	
<i>i</i>	ss.	
County of JANTA Gara		
On Jugust 6, 2002, before me, personally appeared STEVEN R.	PRMela L. Thompson, Notan	Public
Date STOVEN P	Name and Title of Officer (e.g., "Jane Doe, N	otary Public")
personally appeared 10 velo 11.	Name(s) of Signer(s)	
	□,personally known to me	
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	to be the person(s) whose	name(8) is /arc
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	the same in his/her/th	
PAMELA L. THOMPSON	capacity(ies), and that be signature(s) on the instrument	
Commission # 1318115	the entity upon behalf of which	• • • • • • • • • • • • • • • • • • • •
Notary Public - California Santa Clara County	acted, executed the instrumen	
My Comm. Expires Aug 17, 2005	,	
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Place Notary Seal Above	Signature of Notary Pub	<u> </u>
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Though the information below is not required by and could prevent fraudulent removal	law, it may prove valuable to persons relying I and reattachment of this form to another doc	
Description of Attached Document		
Title or Type of Document:		
Document Date:	Number of Pages:	
Signer(s) Other Than Named Above:		
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Signer's Name:		RIGHT THUMBPRINT
] Individual		Top of thumb here
Corporate Officer — Title(s):		
☐ Partner — ☐ Limited ☐ General		
☐ Attorney in Fact		
☐ Trustee ☐ Guardian or Conservator		
☐ Other:		_
Signer Is Representing:		

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California)
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County of Santa Clara	J
an (11041) \$ 2002 hotoro ma	PAMEIA L. TAOMPSON Name and Title of Officer (e.g., "Jane Doe, Notary Public") SUNTAVAM Name(s) of Signer(s)
Date Date	Name and Title of Officer (e.g., "Jane Doe, Notary Public")
oersonally appeared 101586 =	SUN-TAVAM
· · · · · · · · · · · · · · · · · · ·	
	☐ personally known to me ☐ proved to me on the basis of satisfactory
	evidence
	to be the person(s) whose name(s) is/are
	subscribed to the within instrument and
	acknowledged to me that he/she/they executed
	the same in his/ her/their authorized capacity(ies); and that by his/ her/thei
	signature(s) on the instrument the person(s), or
PAMELA L. THOMPSON Commission # 1318115	the entity upon behalf of which the person(s
Notary Public - California	acted, executed the instrument.
Santa Clara County	
My Comm. Expires Aug 17, 2005	WITNESS my hand and official seal.
	Land of Marine son
Place Notary Seal Above	Signature of Noterly Public
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	OPTIONAL —
Though the information below is not required by	y law, it may prove valuable to persons relying on the document al and reattachment of this form to another document.
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Description of Attached Document	
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	· · · · · · · · · · · · · · · · · · ·
Signer's Name:	OF SIGNER
☐ Individual	Top of thumb here
□ Corporate Officer — Title(s):□ Partner — □ Limited □ General	
☐ Attorney in Fact	
☐ Trustee	
☐ Guardian or Conservator	
Other:	
Signer Is Representing:	
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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California	
	ss.
County of Santa Clara	
On Quest 7, 2002, before me,	AMELA L. Thompson, Notary Public Name and Title of Officer (e.g., "Jane Dbe, Notary Public")
personally appeared Stephen /	Name(9) of Signer(s)
	☐ personally known to me ☐ proved to me on the basis of satisfactory
	evidence
PAMELA L. THOMPSON Commission # 1318115 Notary Public - California	to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they-executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
Santa Clara County My Comm. Expires Aug 17, 2005	acted, excedted the instrument.
My Collant Expined -	WITNESS my hand and official seal.
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Place Notary Seal Above	Signature of Notary Public
	OPTIONAL ————————————————————————————————————
•	al and reattachment of this form to another document.
Description of Attached Document	•
Title or Type of Document:	
Document Date:	Number of Pages:
Signer(s) Other Than Named Above:	
Capacity(ies) Claimed by Signer	
Signer's Name:	RIGHT THUMBPRINT OF SIGNER
☐ Individual	Top of thumb here
Corporate Officer — Title(s):	· · · · · · · · · · · · · · · · · · ·
☐ Partner — ☐ Limited ☐ General	
☐ Attorney in Fact	
□ Trustee □ Guardian or Conservator	
☐ Other:	
Signer Is Representing:	
•	

DECLARAT	ION AND POW	ER Attorr	Attorney Docket No. NWK-002								
OF ATTORN	EY FOR UTIL	ITY First 1	Named Inventor	Kleiman							
OR	DESIGN		COMPLETE IF KNOWN								
PATENT	APPLICATION	Appli	cation Serial Number	Not Yet Assigned	: Yet Assigned						
Declaration	□ Declaration	Filing	Date	March 21, 2002	rch 21, 2002						
Submitted with	Submitted after In	itial Group	Art Unit	Not Yet Assigned							
Initial Filing	Filing (surcharge	Exam	iner Name	Not Yet Assigned							
	37 CFR 1.16(e) re	quired)									
	ventor, I hereby decla										
-	address, and citizensh										
I believe I am the orig	inal, first and sole inve	ntor (if only one a which is claimed	name is listed below) or and for which a patent	an original, first and an ansist and an	l joint inventor (if plural ention entitled:						
			Arrays of Stripes in		•						
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the specification of wh	(Title of the Invention) the specification of which										
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Ol was filed on		21, 2002	as United States Appli	cation Serial Numbe	r or PCT International						
(MM/DD/YYYY)											
Application Number			ended on (MM/DD/YYYY		(if applicable).						
any amendment specif	ically referred to above	e.			ng the claims, as amended by						
1.56, including for cor	tinuation-in-part appli	ications, material	ormation known by me t information known by r filing date of the continu	ne which became ava	ntability as defined in 37 CFR ailable between the filing date						
I hereby claim foreign	priority benefits under	35 U.S.C. 119(a))-(d) or (f), or 365(b) of	any foreign applicat	ion(s) for patent, or inventor's						
certificate(s), or 365(a) of any PCT internation	onal application w	which designated at least king the box, any foreig	one country other the	nan the United States of						
certificate(s), or of any	PCT international app	olication having a	filing date before that of	of the application on	which priority is claimed.						
Prior Foreign Applic Number(s)		ountry	Foreign Filing Dat (MM/DD/YYYY)		Certified Copy Attached? YES NO						
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	Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto.										
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Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002 Page 2 of 3

DECLA	<u>RATION – U</u>	tility (or Design Paten	it Apj	plication	
I hereby claim the benefit under 35 United States of America, listed bel States or PCT International applicat which is material to patentability as PCT international filing date of this	U.S.C. 120 of any United S ow and, insofar as the subjetion in the manner provided defined in 37 CFR 1.56 what application.	States applicated matter of 6 lby the first phich became a	ation(s), or 365(c), of any PCT in each of the claims of this applicate paragraph of 35 U.S.C. 112, I act available between the filing date	nternational cation is not knowledge e of the prio	application designating the disclosed in the prior United the duty to disclose information application and the national	ion
U.S. Parent Application	or PCT Parent		Parent Filing Date	T !	Parent Patent Number	_
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☐ Additional U.S. or PCT internat	tional application numbers	are listed on :	a supplemental priority data shee	et attached	hereto.	
As a named inventor, I hereby appoi and Trademark Office connected the	erewith: Customer No	lumber	s to prosecute this application and (s) name/registration number	\rightarrow	Place Customer Number Bar Code Label Here	
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Name	Number		Name		Number	
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574		John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stamos Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang	44 50 27 44 51 33 43 43 44 45 44 45 45 46 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	0,060 0,704 0,749 6,989 2,897 2,898 4,244 0,794 7,829 5,054 1,190 5,370 3,153 5,349 5,393 5,722 9,061 1,418 5,508 5,238 4,372	
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.						
Direct all correspondence to:	Patent Administr Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24 Fax No.: (617) 24	& Thibeault, ver 110 248-7000	, LLP	·		

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inv	ventor: A petition has been filed for this unsigned inventor											
Given Name	e (first a	nd middle [if a	ıy])					Family	/ Name	or Surnai	me	
Steven R.					Kleir	nan						
Inventor's Signature	Sta RKei					Date 8/13						
Residence	City	Los Altos	State	Califor	nia C	ountry	U.S	.A.		Citizensh	nip	U.S.A.
Mailing Address		<u> </u>	1,									
Mailing Address (ln. 2)	City	Los Altos	State	Califor	nia Z	IP			Cour	ntry		U.S.A.
☐ Additional inventors a	re beinį	g named on the	sı	pplemen	tal Addi	tional I	nvento	or(s) she	et(s) at	tached her	eto.	
Name of Additional Join	t Invent	tor, if any:			□ A	petition	has b	een filed	for th	is unsigne	d in	ventor
Given Nam	e (first	and middle [if a	ny])					Famil	y Narr	e or Surna	me	
Rajesh	Sundaram											
Inventor's Signature									Date			
Residence	City	Mountain V	iew	State	Califor	nia C	ountry	/ U.S	.A.	Citizensh	iip	India
Mailing Address	2703 I	Doverton Squa	re			A	_	<u>,,</u>				
Mailing Address (ln. 2)	City	Mountain V	iew	State	Califor	nia Z	IP	9404	0	Country		U.S.A.
Name of Additional Join	t Invent	tor, if any:				A petiti	on has	s been fi	led for	this unsig	ned	inventor
Given Name	e (first a	nd middle [if ar	ıy])					Family	/ Name	or Surnar	ne	
Douglas P.					Douc	ette						
Inventor's Signature		-							Date		_	
Residence	City	Freeland	State	Washin	gton	Countr	у	U.S.A		Citizensh	ip	U.S.A.
Mailing Address	1864 5	Scenic Avenue						-				
Mailing Address (ln. 2)	City	Freeland	State	Washir	ngton	ZIP		98249		Country		U.S.A.

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NWK-002

OF ATTORN	EY FOR UTILI	TY Firs	t Named Inventor	Kleiman					
OR	DESIGN		COMPLETE IF KNOWN						
PATENT	APPLICATION	Арј	olication Serial Number	Not Yet Assigned	Yet Assigned				
☐ Declaration	□ Declaration	Fili	ng Date	March 21, 2002					
Submitted with	Submitted after Ini	tial Gro	up Art Unit	Not Yet Assigned					
Initial Filing	Filing (surcharge	Exa	miner Name	Not Yet Assigned					
	37 CFR 1.16(e) rec	uired)							
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	ventor, I hereby declar								
My residence, mailing	address, and citizenshi	p are as stated	below next to my name.						
			e name is listed below) or ed and for which a patent						
A	Method for Writin	g Contiguou	s Arrays of Stripes i	n a RAID Storage	System				
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	ve reviewed and unders ically referred to above		nts of the above-identified	l application, includir	ng the claims, as amended by				
1.56, including for con	itinuation-in-part applic	ations, materia		ne which became ava	tability as defined in 37 CFR ilable between the filing date tion.				
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Prior Foreign Applica Number(s)		ountry	Foreign Filing Dat (MM/DD/YYYY)		Certified Copy Attached? YES NO				
			(12.752)						
			n a supplemental priority						
I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below. Application Serial Number(s) Filing Date (MM/DD/YYYY)									
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Attorney Docket No.

DECLARATION AND POWER

Declaration and Power of Atto. y for Utility or Design Patent Application Atty. Docket No. NWK-002

Page 2 of 3

DECLARATION – Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

PCT international filing date of this a		e available between the filir	ng date of the pi	nor application and the national or		
U.S. Parent Application of Serial Number	or PCT Parent	Parent Filing Date (MM/DD/YYYY)		Parent Patent Number (if applicable)		
☐ Additional U.S. or PCT internation	onal application numbers are listed o	n a supplemental priority da	ita sheet attache	ed hereto.		
As a named inventor, I hereby appoin and Trademark Office connected ther			\rightarrow	Place Customer Number Bar Code Label Here		
Name	Registration Number	Name	*	Registration		
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574	John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stam Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang	ios	Number 40,060 40,704 50,749 36,989 42,897 42,898 44,244 50,794 27,829 45,054 51,190 35,370 43,153 45,349 35,393 35,722 39,061 41,418 45,508 45,238 44,372		
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.				- - -		
Direct all correspondence to:	Patent Administrator Testa, Hurwitz & Thibeau High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100	lt, LLP				

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Atto...y for Utility or Design Patent Application Atty. Docket No. NWK-002 Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	ventor: A petition has been filed for this unsigned inventor									r			
Given Name (first and middle [if any])						Family Name or Surname							
Steven R.					K	leima	ın						
Inventor's Signature							D			Date			
Residence	City	Los Altos	State	Califor	rnia	Cou	intry	U.S	.A.		Citiz	enship	U.S.A.
Mailing Address			1.	1				.L				• •	
Mailing Address (ln. 2)	City	Los Altos	State	Califo	rnia	ZIP		•		Cour	ntry		U.S.A.
Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) attached hereto.													
Name of Additional Joint Inventor, if any:								ventor					
Given Nam	ne (first	and middle [if a	ny])						Famil	y Nan	ne or S	urname	
Rajesh						Sund	aram						
Inventor's Signature										Date			
Residence	City	Mountain V	iew	State	Cali	forni	a Co	Country U.S.		.A.	Citiz	enship	India
Mailing Address	2703 I	Doverton Squa	re						L				
Mailing Address (ln. 2)	City	Mountain Vi	ew	State	Cali	forni	a ZI	P	94040		Cour	ntry	U.S.A.
Name of Additional Join	t Invent	tor, if any:			[] A	petitio	on has	been fil	led for	this u	nsigned	inventor
	e (first a	nd middle [if ar	ıy])		$oldsymbol{ol}}}}}}}}}}}}}}}}}}$				Family	Name	or Su	rname	
Douglas P.					D	oucet	te						
Inventor's Signature				· · · · · ·						Date			
Residence	City	Freeland	State	Washii	ngton	С	ountr	у	U.S.A		Citiz	enship	U.S.A.
Mailing Address	1864 5	Scenic Avenue							•	•			
Mailing Address (ln. 2)	City	Freeland	State	Washi	ngtor	n [ZIP		98249		Coun	itry	U.S.A.

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Supplemental Sheet of Declara.... and Power of Attorney for Utility or Design L...ent Application Atty. Docket No. NWK-002

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page $\underline{1}$ of $\underline{1}$

													
Name of Additional Join	ional Joint Inventor, if any: A petition has been filed for this unsigned inventor												
Given Nan	Given Name (first and middle [if any]) Family Name or Surname												
Stephen H.						Strange							
Inventor's Signature			Date										
Residence	City	Mountain	View	State	Califo	ornia C	Country	U.S.A	۸. C	itizenship	U.S.A.		
Mailing Address	1147 Rose Avenue												
Mailing Address (ln. 2)	City	y Mountain View State				ornia	ZIP	94040 C		Country	U.S.A.		
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor													
Given Name	e (first a	nd middle [if ar	ıy])				F	amily N	Vame o	r Surname			
Srinivasan					Vis	wanatha	n						
Inventor's Signature	1	V. fro	1						Date		115/2002		
Residence	City	Fremont	State	Californ	nia	Country	U.S.	A.	C	itizenship	India		
Mailing Address					•				•				
Mailing Address (In. 2)	City	Fremont	State	Californ	nia .	ZIP			Coun	try	U.S.A.		

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Express Mail Label No.: EL9343754COUS

Named Inventor Kleiman	_
A COMMISSION OF THE PROPERTY O	
COMPLETE IF KNOWN	_
ication Serial Number Not Yet Assigned	_
g Date March 21, 2002	_
p Art Unit Not Yet Assigned	
niner Name Not Yet Assigned	-
	g Date March 21, 2002 p Art Unit Not Yet Assigned Not Yet Assigned

-											
As a below named inventor, I hereby declare that:											
My residence, mailing address, and citizenship are as stated below next to my name.											
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:											
A Method for Writing Contiguous Arrays of Stripes in a RAID Storage System											
(Title of the Invention)											
the specification of which	the specification of which										
is attached hereto OR											
was filed on (MM/DD/YYYY)	March 2	21, 2002	as United States Application	on Serial Number	or PCT International						
Application Number		and was amer	nded on (MM/DD/YYYY)		(if applicable).						
I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above.											
I acknowledge the duty to disclo 1.56, including for continuation of the prior application and the r	-in-part applic	ations, material i	nformation known by me w	hich became avai	lable between the filing date						
I hereby claim foreign priority be certificate(s), or 365(a) of any Po America, listed below and have certificate(s), or of any PCT inte	CT internation also identified	al application will below, by check	hich designated at least one ting the box, any foreign ap	country other that plication for pate	an the United States of nt, or inventor's						
Prior Foreign Application		-	Foreign Filing Date	Priority	Certified Copy Attached?						
Number(s)	Co	untry	(MM/DD/YYYY)	Not Claimed	YES NO						
			a supplemental priority data								
I hereby claim the benefit under				tion(s) listed belo	ow.						
Application Serial Numb	DEI (S)	r ning D:	ate (MM/DD/YYYY)	serial nu	nal provisional application mbers are listed on a ental priority data sheet hereto.						

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002

Page 2 of 3

DECLARATION - Utility or Design Patent Application											
I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.											
U.S. Parent Application or PCT Parent Parent Filing Date Parent Patent Number (MM/DD/YYYY) (if applicable)											
Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto.											
As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent											
As a named inventor, I hereby appoin and Trademark Office connected ther	Place Customer Number Bar Code										
	OR Registered pr	ractitioner(s	s) name/registration number li	isted below							
	Registration	1		Registration							
Name	Number		Name	Number							
Michael J. Bastian Steven M. Bauer Elias C. Behrakis Mark L. Beloborodov John V. Bianco Robert S. Blasi Maureen A. Bresnahan Michael H. Brodowski Jennifer A. Camacho Joseph A. Capraro, Jr. Christopher H. Chung John J. Cotter Robert V. Donahoe Brian A. Fairchild John V. Forcier Steven J. Frank Kia L. Freeman Brian M. Gaff Duncan A. Greenhalgh Ira V. Heffan Danielle L. Herritt Douglas J. Kline	47,411 31,481 47,416 50,773 36,748 50,389 44,559 41,640 43,526 36,471 50,351 38,116 46,667 48,645 42,545 33,497 47,577 44,691 38,678 41,059 43,670 35,574		John D. Lanza Kurt W. Lockwood Leigh J. Martinson Thomas C. Meyers Joseph B. Milstein David G. Miranda Ronda P. Moore Jeremy Oczek Edmund R. Pitcher Jamie H. Rose David L. Schuler Christopher W. Stamos Diana M. Steel Joseph P. Sullivan Robert J. Tosti Thomas A. Turano Christine C. Vito Patrick R.H. Waller Daniel A. Wilson Gerald E. Worth Yin P. Zhang	40,060 40,704 50,749 36,989 42,897 42,898 44,244 50,794 27,829 45,054 51,190 35,370 43,153 45,349 35,393 35,722 39,061 41,418 45,508 45,238 44,372							
Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto.											
Direct all correspondence to:	Patent Administra Testa, Hurwitz & High Street Towe 125 High Street Boston, MA 021 Tel. No.: (617) 24 Fax No.: (617) 24	Thibeault, er 10 48-7000	LLP								

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	A petition has been filed for this unsigned inventor										or	
Given Nam	e (first	and middle [if a		Family Name or Surname								
Steven R.					K	Kleiman						
Inventor's Signature									Date	;		
Residence	City	Los Altos	State	Califo	rnia	Coun	try U	.S.A.		Citizenship	U.S.A.	
Mailing Address		_		<u> </u>		-1				1	_	
Mailing Address (ln. 2)	City	Los Altos	State	Califo	ornia	ZIP			Cou	ntry	U.S.A.	
Additional inventors a	are bein	g named on the	s	uppleme	ntal A	ddition	al Inver	itor(s) she	et(s) at	tached hereto	D	
Name of Additional Join	t Inven	tor, if any:				A peti	ion has	been filed	l for th	is unsigned i	nventor	
Given Nam	ne (first	and middle [if a	my])					Famil	ly Nan	e or Surname	e	
Rajesh		Sundaram										
Inventor's Signature	Date											
Residence	City	Mountain V	iew	State	Cali	fornia	Count	ry U.S	U.S.A. Ci		India	
Mailing Address	2703 1	Doverton Squar	re		<u> </u>	-		L				
Mailing Address (ln. 2)	City	Mountain Vi	iew	State	Cali	fornia	ZIP	9404	0	Country	U.S.A.	
Name of Additional Joint	t Invent	or, if any:] A pe	tition h	as been fil	ed for	this unsigned	l inventor	
	(first a	nd middle [if an	y])					Family	Name	or Surname		
Douglas P.					Do	ucette						
Inventor's Signature	2	Date 6/27/02								27/02		
Residence	City	Freeland	State Washington Country U.S.A. Citizenship U.S.A.						U.S.A.			
Mailing Address	1864 Scenic Avenue											
Mailing Address (ln. 2)	City	Freeland	State	Washi	ngton	Z	IP	98249		Country	U.S.A.	

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DECLARATION AND POWER			ney Docket No.	NWK-002	′K-002					
OF ATTORNEY F	OF ATTORNEY FOR UTILITY			Kleiman						
OR DES	IGN		COMPLETE IF KNOWN							
PATENT APPI	LICATION	Applio	cation Serial Number	Not Yet Assigned	t Yet Assigned					
☐ Declaration ☒ D	eclaration	Filing	Date	March 21, 2002	002					
Submitted with Sub	mitted after Initi	al Group	Art Unit	Not Yet Assigned						
Initial Filing Fili	ng (surcharge	Exami	ner Name	Not Yet Assigned						
37 (CFR 1.16(e) requ	ired)								
As a below named inventor,	-									
My residence, mailing address	•		•							
I believe I am the original, first names are listed below) of the										
A Metho	od for Writing	Contiguous	Arrays of Stripes in	a RAID Storage	System					
	<u></u>	(Title	of the Invention)							
the specification of which										
is attached hereto OR			3 a.		i.					
was filed on (MM/DD/YYYY)	March 2	1, 2002	as United States Appli	cation Serial Number	or PCT International					
Application Number	Application Number and was amended on (MM/DD/YYYY) (if applicable).									
I hereby state that I have revie any amendment specifically re		and the contents	of the above-identified	application, including	ng the claims, as amended by					
I acknowledge the duty to disc 1.56, including for continuation of the prior application and the	on-in-part applica	itions, material i	information known by r	ne which became ava	ilable between the filing date					
I hereby claim foreign priority certificate(s), or 365(a) of any										
America, listed below and hav	e also identified	below, by check	king the box, any foreig	n application for pate	ent, or inventor's					
certificate(s), or of any PCT in Prior Foreign Application	ternational appli	cation having a	Foreign Filing Dat		which priority is claimed. Certified Copy Attached?					
Number(s)	Cou	intry	(MM/DD/YYYY)	Not Claimed	YES NO					
	Additional foreign application numbers are listed on a supplemental priority data sheet attached hereto. I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.									
Application Serial Number 1 hereby claim the benefit under the Application Serial Number 1 hereby claim the benefit under the benefit unde			d States provisional apparte (MM/DD/YYYY)	oncation(s) listed beli	UW.					
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Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002 Page 2 of 3

DECLARATION – Utility or Design Patent Application I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c), of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. U.S. Parent Application or PCT Parent **Parent Filing Date Parent Patent Number** (if applicable) **Serial Number** (MM/DD/YYYY) Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet attached hereto. As a named inventor, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Customer Number Place Customer Number Bar Code Label Here Registered practitioner(s) name/registration number listed below Registration Registration Number Number Name Name 47,411 40,060 Michael J. Bastian John D. Lanza 40,704 31,481 Kurt W. Lockwood Steven M. Bauer 50,749 Elias C. Behrakis 47,416 Leigh J. Martinson Mark L. Beloborodov 50,773 Thomas C. Meyers 36,989 John V. Bianco 36,748 Joseph B. Milstein 42,897 Robert S. Blasi 50,389 David G. Miranda 42,898 Ronda P. Moore Maureen A. Bresnahan 44,559 44,244 50,794 Jeremy Oczek 41,640 Michael H. Brodowski Edmund R. Pitcher 27,829 43,526 Jennifer A. Camacho Jamie H. Rose 45,054 Joseph A. Capraro, Jr. 36,471 51,190 David L. Schuler Christopher H. Chung 50,351 Christopher W. Stamos John J. Cotter 38,116 35,370 Diana M.: Steel Robert V. Donahoe 43,153 46,667 Joseph P. Sullivan Brian A. Fairchild 48,645 45,349 Robert J. Tosti 35,393 John V. Forcier 42,545 Steven J. Frank 33,497 Thomas A. Turano 35,722 Christine C. Vito Kia L. Freeman 47,577 39.061 Patrick R.H. Waller Brian M. Gaff 44,691 41,418 Daniel A. Wilson 45,508 Duncan A. Greenhalgh 38,678 Gerald E. Worth 45.238 Ira V. Heffan 41,059 Danielle L. Herritt 43,670 Yin P. Zhang 44,372 Douglas J. Kline 35,574 ☐ Additional registered practitioners named on supplemental Registered Practitioner Information sheet attached hereto. Patent Administrator Direct all correspondence to: Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and

Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100 Declaration and Power of Attorney for Utility or Design Patent Application Atty. Docket No. NWK-002
Page 3 of 3

the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First In	ventor:										r		
Given Name (first and middle [if any])									Famil	y Nam	e or Su	ırname	
Steven R.				,	K	leima	an						
Inventor's Signature						Date				;			
Residence	City	Los Altos	State	Califo	rnia	Cou	intry	U.S	.A.		Citiz	enship	U.S.A.
Mailing Address	,	-	•	<u> </u>		1					•		-1
Mailing Address (ln. 2)	City	Los Altos	State	Califo	rnia	ZIP	· · [Cour	ntry		U.S.A.
Additional inventors	are bein	g named on the	SI	uppleme	ntal A	dditio	onal In	vento	r(s) she	et(s) at	tached	hereto	
Name of Additional Join	ne of Additional Joint Inventor, if any:									ventor			
Given Nan	Given Name (first and middle [if any]) Family Name or Surname								· · · · · · · · · · · · · · · · · · ·				
Rajesh	Sundaram												
Inventor's Signature	R	aj es h	-S			. ,				Date		8/	12/2002
Residence	City	Mountain V	iew	State	Calif	forni	rnia Country		U.S	U.S.A. C		enship	India
Mailing Address	2703	Doverton Squa	re								•		:
Mailing Address (ln. 2)	City	Mountain V	ew	State	Calif	orni	rnia ZIP 94		9404	10	Country		U.S.A.
Name of Additional Join	t Inven	tor, if any:			Е] A	petitio	n has	been fi	led for	this u	nsigned	inventor
	(first a	ınd middle [if ar	ıy])	:					Family	/ Name	or Su	rname	
Douglas P.					Do	ucet	te						
Inventor's Signature	Date												
Residence	City	Freeland	State	Washii	ngton	C	ountry	,	U.S.A	U.S.A. Citi		enship	U.S.A.
Mailing Address	1864 9	Scenic Avenue	•						•				
Mailing Address (In. 2)	City	Freeland	State	Washi	ngton	ton ZIP 98249		98249	3249 Coun		itry	U.S.A.	

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Supplemental Sheet of Declaration and Power of Attorney for Utility or Design Fatent Application Atty. Docket No. NWK-002

DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

								 				
Name of Additional Join	nt Inventor, if any: A petition has been filed for this unsigned inventor										ventor	
Given Nan	Given Name (first and middle [if any])						F	amily N	lame or S	urname		
Stephen H.			Stra	Strange								
Inventor's Signature	S	Joshu H.	Date 8/12/02									
Residence	City	/ Mountain	View	State	Californ	a Cou	intry	U.S.A.	Citiz	enship	U.S.A.	
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Mailing Address (ln. 2)	City	Mountain	View	State	Californ	a ZII	Р	94040	Cour	itry	U.S.A.	
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor											inventor	
Given Name	e (first ar	nd middle [if an	y])				Fa	mily Na	ume or Su	rname		
Srinivasan			: ه فر	get is t	Viswa	nathan						
Inventor's Signature	-		Date								*	
Residence	City	Fremont	State	Californ	nia Co	ıntry	U.S.A	٠.	Citize	enship	India	
Mailing Address		,	Ì		1.1				Ą.			
Mailing Address (ln. 2)	City	Fremont	State	Califor	nia ZII	* **			Country		U.S.A.	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: Steven R. Kleiman et al.)	
Serial No.: 10/105,034)	Examiner: Not yet assigned
Filed: March 21, 2002)))	Art Unit: 2818
For: A METHOD FOR WRITING)	
CONTIGUOUS ARRAYS OF)	
STRIPES IN A RAID STOR-)	
AGE SYSTEM)	
		Cesari and McKenna, LLP
		88 Black Falcon Avenue
		Boston MA 02210

REVOCATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Network Appliance, Inc., assignee by instrument, a copy of which is attached hereto, of United States Patent Application Serial No. 10/105,034, filed March 21, 2002, for A METHOD FOR WRITING CONTIGUOUS ARRAYS OF STRIPES IN A RAID STOR-AGE SYSTEM, hereby appoints Michael E. Attaya, Reg. No. 31,731; Michael J. Badzinski, Reg. No. 51,425; Charles J. Barbas, Reg. No. 32,959; James M. Behmke, Reg. No. 51,448; James A. Blanchette, Reg. No. 51,477; Joseph H. Born, Reg. No. 28,283; John L. Capone, Reg. No. 41,656; Robert A. Cesari, Reg. No. 18,381; Duane H. Dreger, Reg. No. 48,836; A. Sidney Johnston, Reg. No. 29,548; Stephen E. Kabakoff, Reg. No. 51,276; William A. Loginov, Reg. No. 34,863; John F. McKenna, Reg. No. 20,912; Martin J. O'Donnell, Reg. No. 24,204; Thomas C. O'Konski, Reg. No. 26,320; Edwin H. Paul, Reg. No. 31,405; Michael R. Reinemann, Reg. No. 38,280; Robert E. Rigby, Jr., Reg. No. 36,904; Rita M. Rooney, Reg. No. 30,585; and Patricia A. Sheehan, Reg. No. 32,301, Cesari and McKenna, LLP, 88 Black Falcon Avenue, Boston, MA 02210, and Gary E. Ross, Reg. No. 29,431, Network Appliance, Inc., 495 East Java Drive, Sunnyvale, CA 94089, jointly, and each of them severally, my attorneys and attorney, with full power of substitution, delegation and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent and to transact all business in the Patent and Trademark Office connected therewith; and I hereby revoke all prior Powers of Attorney.

Please direct all telephone calls to Charles J. Barbas at (617) 951-2500. Please address all correspondence to Charles J. Barbas.

NETWORK APPLIANCE, INC.

Date:

3y: Maria / Andrew Kryder /

Vice President Tax and Legal

General Counsel